

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A composition comprising the peptide:

Y-W-S-A<sub>1</sub>-C-S-A<sub>2</sub>-C-G-XZ (SEQ ID NO: 9)

wherein Y and Z comprise:

- (a) N- and C- terminal ends of the peptide;
- (b) amino acid chains having less than 6 amino acids; or
- (c) chains of compounds which are not amino acids,

wherein A<sub>1</sub> and A<sub>2</sub> are amino acid sequences comprising 1 to 5 amino acids (SEQ ID NOS: 97-168) and further wherein the peptide is not selected from the group consisting of one of the following sentences:

- W-S-P-C-S-V-T-C-G- (SEQ ID NO:2),
- W-S-S-C-S-V-T-C-G- (SEQ ID NO:3), and
- W-S-Q-C-S-V-T-C-G- (SEQ ID NO:4).

2. (Withdrawn) The peptide according to claim 1, wherein said A<sub>1</sub> is Pro or -X<sub>1</sub>-W-X<sub>2</sub>-X<sub>3</sub>- (SEQ ID NO:5), X<sub>1</sub>, X<sub>2</sub>, and X<sub>3</sub> being chosen, independently of each other, from G, S and C, denoted SEQ ID NOS:50-59.

3. (Withdrawn) The peptide according to claim 2, wherein said A<sub>1</sub> is -X<sub>1</sub>-W-S-X<sub>3</sub>-, denoted SEQ ID NOS:6 and 60-64.

4. (Withdrawn) The peptide according to claim 1, wherein said A<sub>2</sub> is selected from the group consisting of -R-S-, -V-S-, and -V-T-, denoted SEQ ID NOS:65-88.

5. (Previously amended) The peptide according to claim 3, wherein said peptide comprises at least the following amino acid sequence:

-W-S-X<sub>1</sub>-W-S-X<sub>3</sub>-C-S-A<sub>2</sub>-C-G-, denoted SEQ ID NOS:7 and 89-96, wherein, X<sub>1</sub> and X<sub>3</sub> are independently selected from G, S and C.

6. (Previously amended) The peptide according to claim 4, wherein said peptide comprises the following amino acid sequence:

-W-S-G-W-S-S-C-S-R-S-C-G- (SEQ ID NO:8).

7. Canceled

8. (Previously amended) A pharmaceutical composition comprising a peptide according to claim 1 and a pharmaceutically acceptable vehicle.

9. Canceled

10. Canceled

11. (Previously amended) A method for treating a pathological condition or trauma requiring the regeneration of nervous system cells, said method comprising administering to a patient with said pathological condition or trauma an effective amount of a peptide according to claim 1.

12. Canceled

13. (Previously amended) An additive for culturing nerve cells, comprising a peptide according to claim 1.

14. Canceled

15. Canceled

16. (Previously added) A peptide having at least the following amino acid sequence:

-W-S-G-W-S-S-C-S-R-S-C-G- (SEQ ID NO:8).

17. (Previously added) A pharmaceutical composition comprising a peptide according to claim 16 and a pharmaceutically acceptable vehicle.

18. Canceled

19. Canceled

20. (Previously added) A method for treating a pathological condition or trauma requiring the regeneration of nervous system cells, said method comprising administering to a patient with said pathological condition or trauma an effective amount of a peptide according to claim 16.

21. Canceled

22. (Previously added) An additive for culturing nerve cells, comprising a peptide according to claim 16.

23. Canceled

24. Canceled